

MR3029-76
Appl. No.10/602,866
Reply to Final Office action of September 27, 2004

REMARKS/ARGUMENT

Claims 12-25 remain in this application. Claims 12-14 have now been canceled. No Claims are added.

Applicant has thoroughly reviewed the outstanding Office Action including the Examiner's remarks and the references cited therein. The following remarks are believed to be fully responsive to the Office Action and, when coupled with the above amendments, are believed to render all claims at issue patentably distinguishable over the cited references.

SPECIFICATION OBJECTIONS

With respect to Page 2 of the Office Action, the Examiner objected Claim 15 does not specify the liquid crystal material and the mixture phase thereof and such was not supported in the Specification.

Applicant has added -- a liquid crystal material such as an-- after "antiferroelectric liquid crystal" at Page 7, line 14-15; deleted "achiral swallow-tailed compound with the" after "antiferroelectric liquid crystal material" at Page 7, line 14; and added -- in a phase, wherein the phase can be a ferroelectric phase or an antiferroelectric phase" after "further to explore V-shaped switching phenomena" on Page 7, line 17. Therefore, Claim 15 can be supported by the specification. The Examiner's objection can be traversed.

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CLAIM REJECTION-35 U.S.C. SECTION 102(b)

With respect to Page 2 of the Office Action, the Examiner rejected Claims 15-17, 20-21, 23, and 25 stand under 35 U.S.C. 102 (b) as being anticipated by Wu et al (Liquid Crystals, 2002, Vol. 29, No. 1, 39-45). Of the rejected claims, only Claim 15 is independent.

Claim 12 have been canceled. Thus, the basis of the Examiner's rejection does not exist.

The rejection is respectfully traversed on the basis that Wu (Liquid Crystals, 2002, Vol. 29, No. 1, 39-45) does not disclose the "doping a liquid crystal material with said achiral swallow-tailed compound to generate a binary liquid crystal mixture, wherein said binary liquid crystal mixture with a phase and displaying a V-shaped switching electro-optic response in said phase" as claimed.

Respect with Wu (Liquid Crystals, 2002, Vol. 29, No. 1, 39-45), which disclose the "achiral swallow-tailed compound" doped with "antiferroelectric liquid crystal material" to generate a binary liquid crystal mixture. Wu (Liquid Crystals, 2002) does not disclose other liquid crystal material types such as "ferroelectric liquid crystal material" as Claim 15 recited. The present invention recited the "liquid crystal material" which is not to limit the material of liquid crystal is "antiferroelectric liquid crystal material", "ferroelectric liquid crystal material", or other types. Thus, Wu only discloses the ferroelectric liquid crystal that mixed with achiral swallow-tailed compound.

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Therefore, Wu can not anticipate the claimed invention. The Examiner's rejection can be withdrawn.

CLAIM REJECTION-35 U.S.C. SECTION 102(a)

~~REJECTION~~ 2.1.

With respect to Page 2 through Page 3 of the Office Action, the Examiner rejected Claims 12-19, 22, and 24 stand under 35 U.S.C. 102 (a) as being anticipated by Wu et al (Liquid Crystals, 2003, Vol. 30, No. 2, 205-210). Of the rejected claims, only Claims 12 and 15 are independent.

The rejection is respectfully traversed on the Wu (Liquid Crystals, 2003, Vol. 30, No. 2, 205-210) anticipated the present invention. Because the applied reference "Liquid Crystals, 2003, Vol. 30, No. 2, 205-210" has a common inventor with the instant application. This application common inventor as the reference citation "Liquid Crystals, 2003, Vol. 30, No. 2, 205-210". Thus, the reference citation should be withdrawn, and the rejection is not existence.

Conclusion

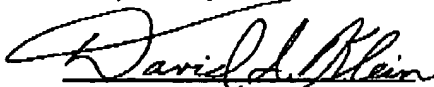
In the light of the above amendment and remarks, Applicant respectfully submits that all pending Claims 12-25 as currently presented are in condition for allowance. Applicant has thoroughly reviewed that art cited but relied upon by the Examiner. Applicant has

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concluded that these references do not affect the patentability of these claims as currently presented. Accordingly, reconsideration is respectfully requested.

This Amendment was prepared by Applicant, and is being submitted without substantive change by the undersigned Attorney.

Respectfully submitted,



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CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this paper is being facsimile transmitted to the U.S. Patent and Trademark Office, Art Unit #1756, at (703) 872-9306, on the date shown below.

For: ROSENBERG, KLEIN & LEE


DAVID I. KLEIN

1/26/2005
Date